

Diagram illustrating a second embodiment of the device. It shows a rectangular frame 10 containing a grid of circular elements 16. A dashed line 16a indicates a boundary or separation. A dashed line 16b indicates a boundary or separation. A dashed line 17 indicates a boundary or separation. A dashed line 16c indicates a boundary or separation. A dashed line 16 indicates a boundary or separation. A dashed line 10 indicates a boundary or separation.

The diagram illustrates a DNA microarray structure. It shows a substrate with a series of horizontal lines representing the array surface. Labels 11a and 11b point to the top and bottom edges of the substrate. Labels 14a, 14b, 14c, and 14d point to different layers or regions of the array. Labels 16a, 16b, and 16c point to specific columns of nucleotides. Label 17 points to the overall array structure. The nucleotide sequence is as follows:

T	T	T	A	A	A	A	C	C
G	G	G	G	G	G	G	A	A
C	C	C	A	A	A	A	T	T
G	G	G	G	G	G	G	T	T
G	G	G	C	C	C	C	T	T
T	T	T	G	G	G	G	A	A

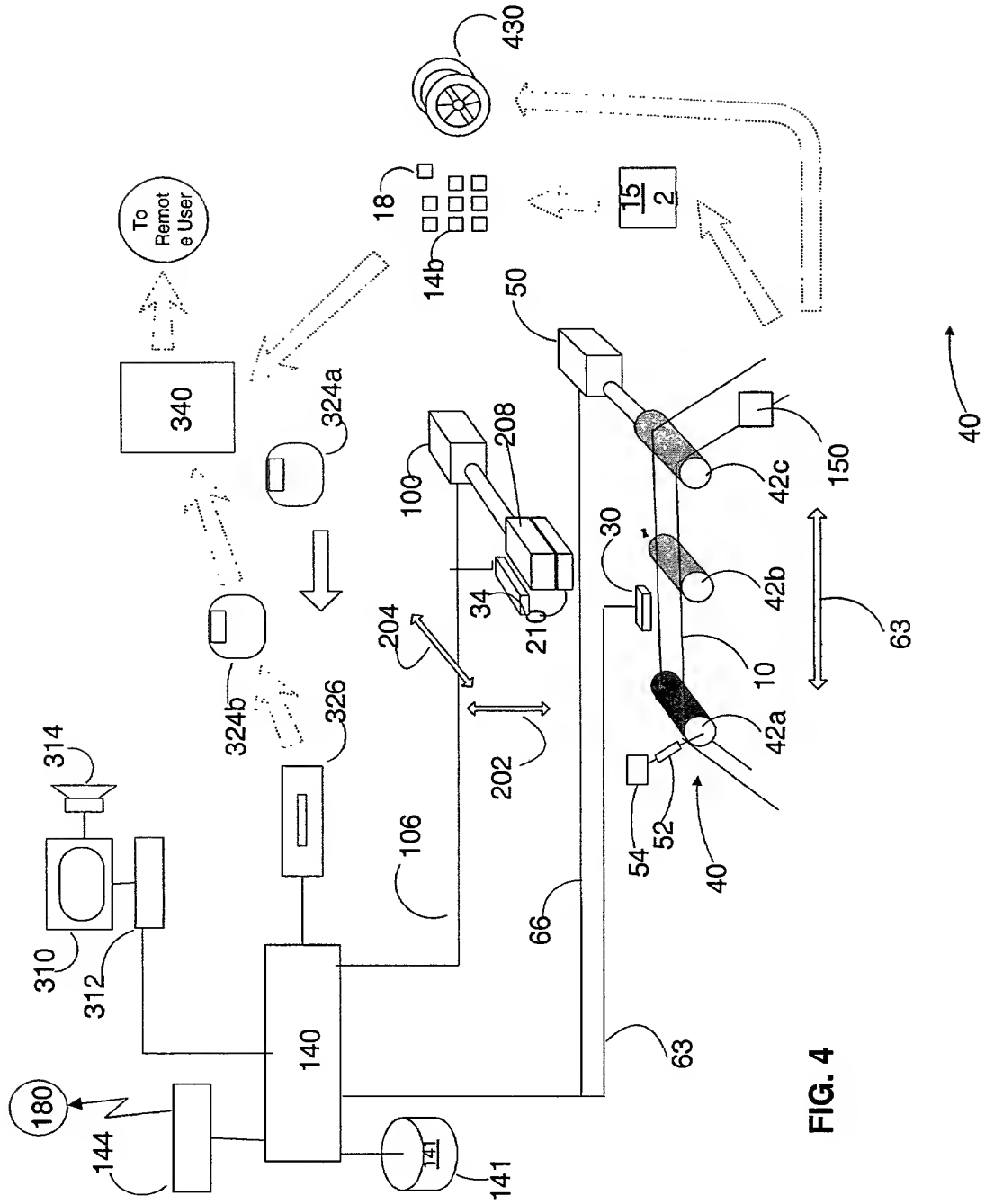


FIG. 5

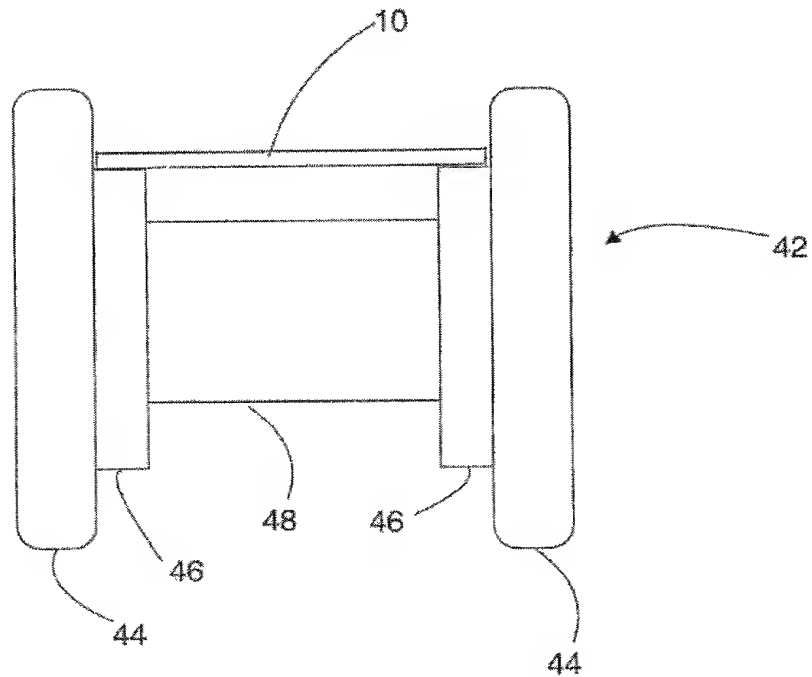


FIG. 6

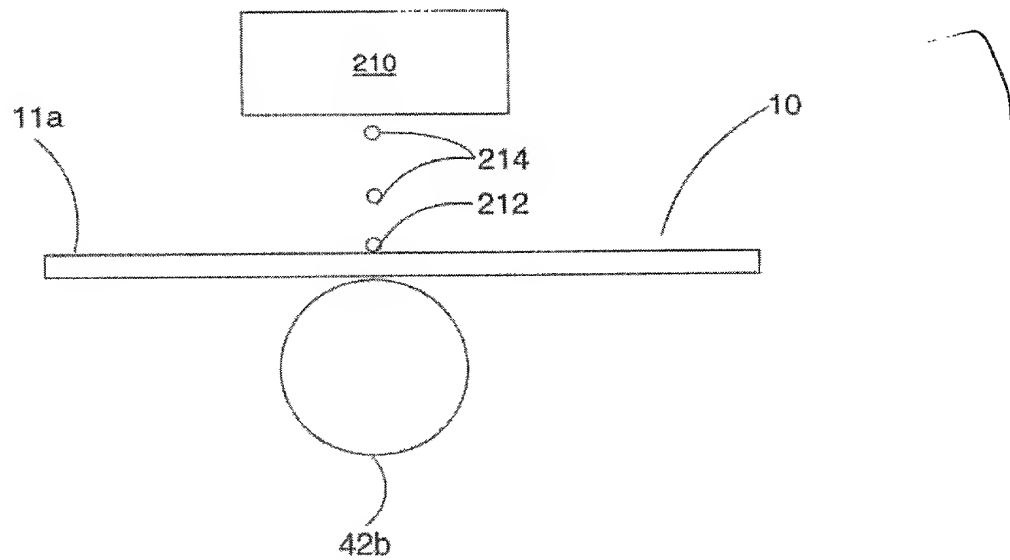


FIG. 7

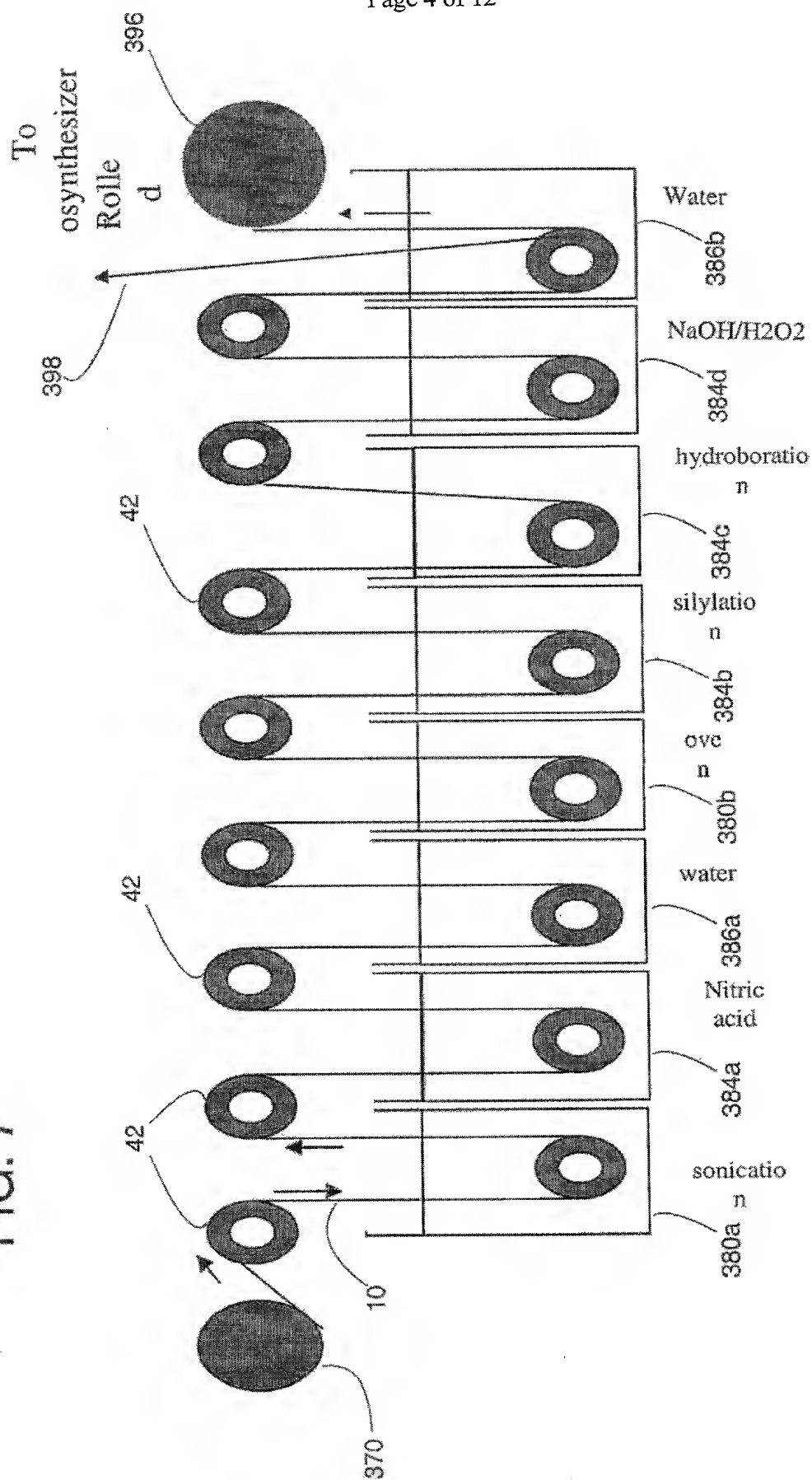


FIG. 7

FIG. 8

FIG. 8

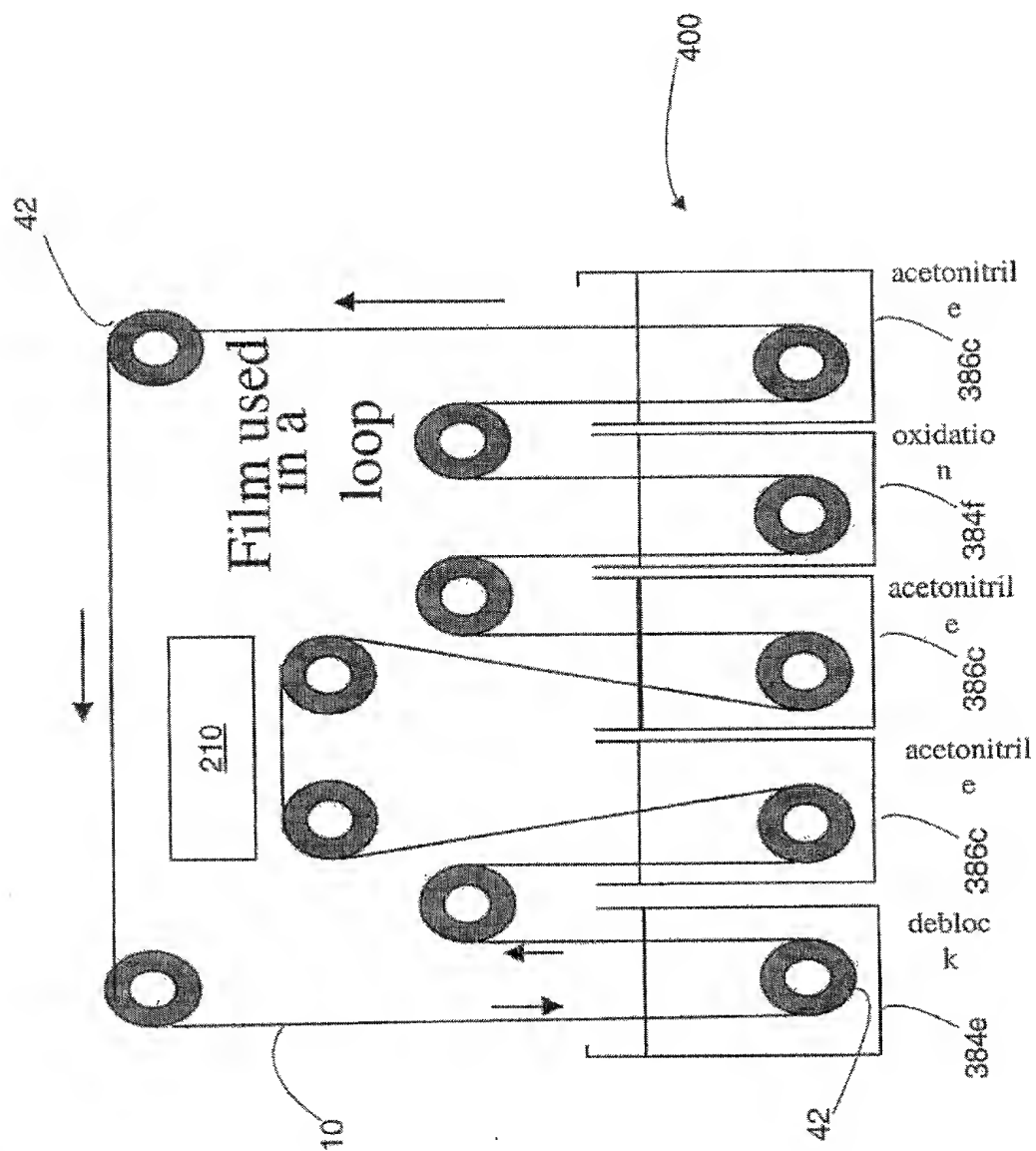


FIG. 9

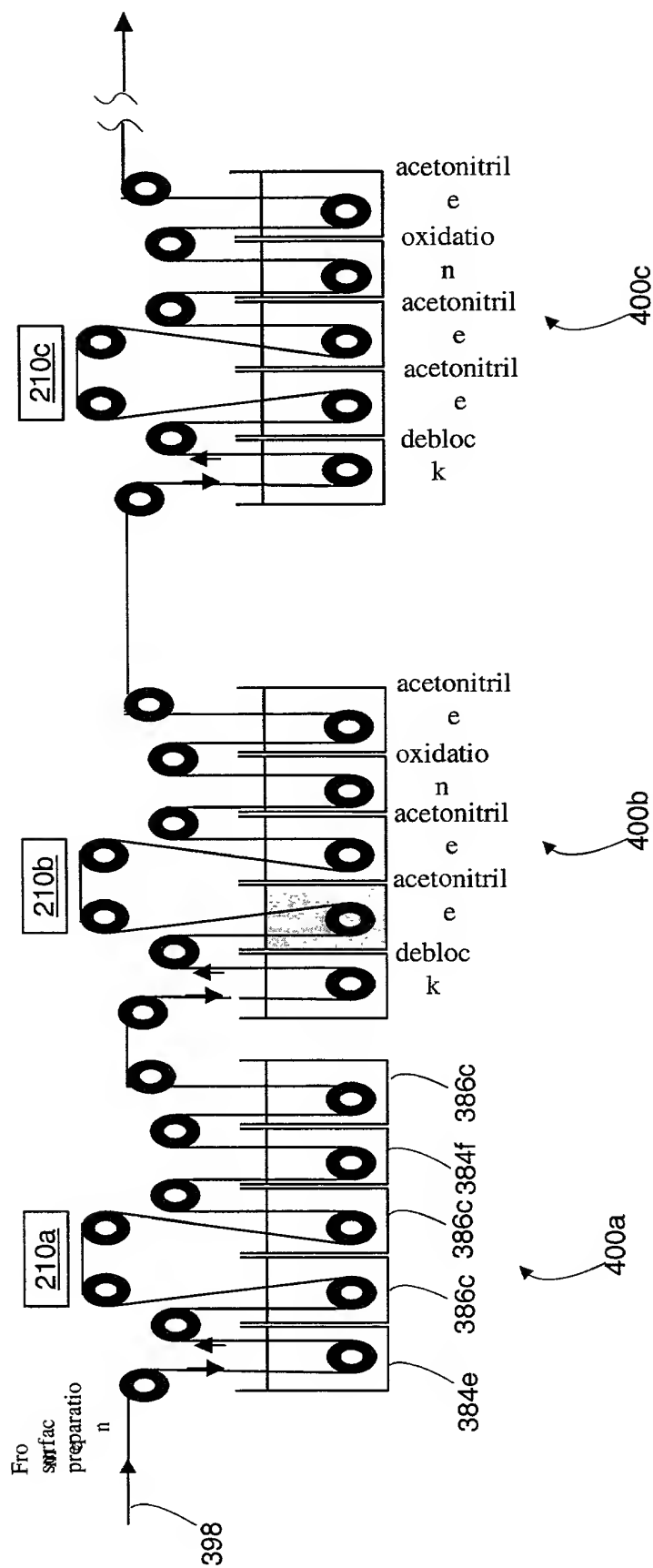


FIG. 10

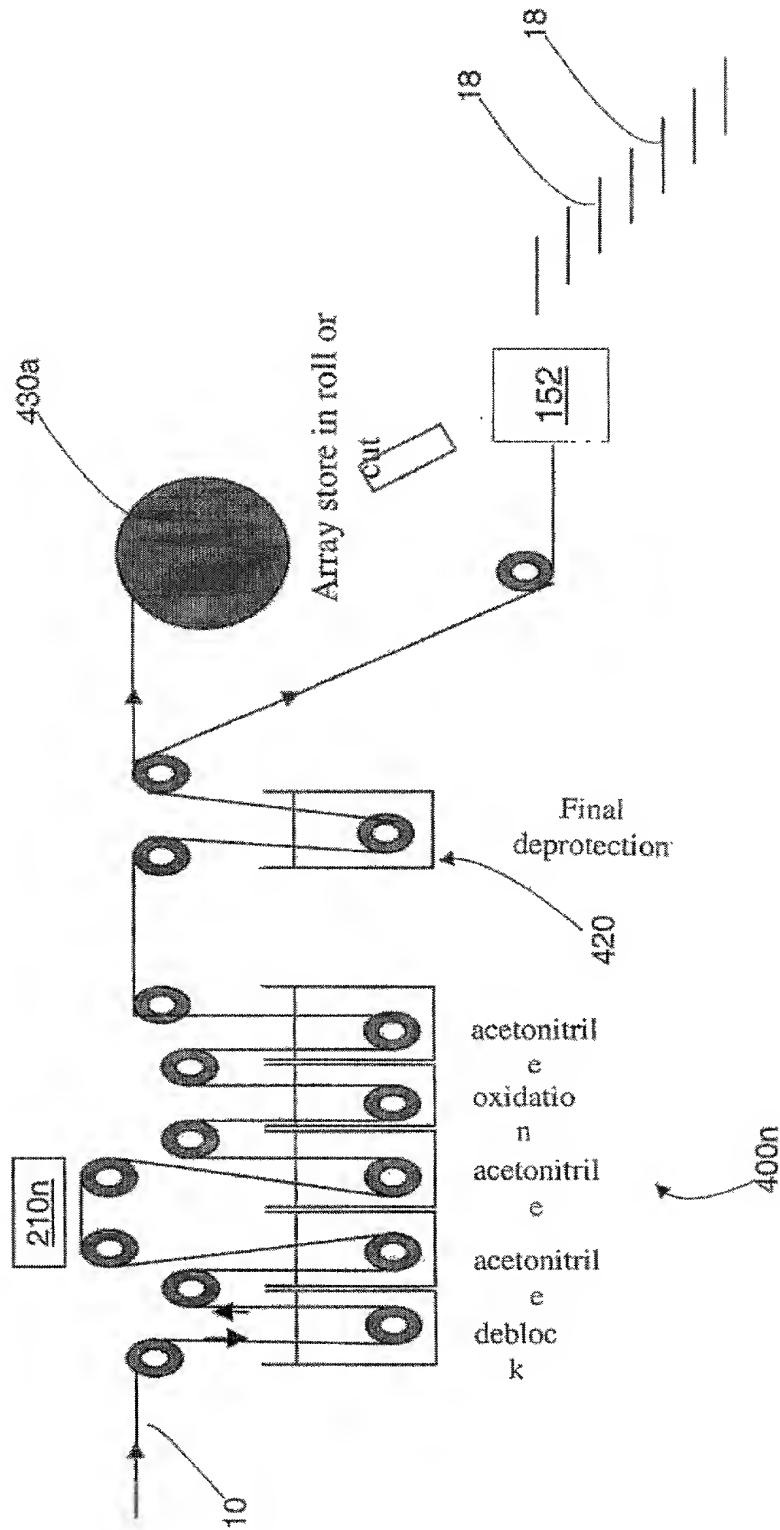
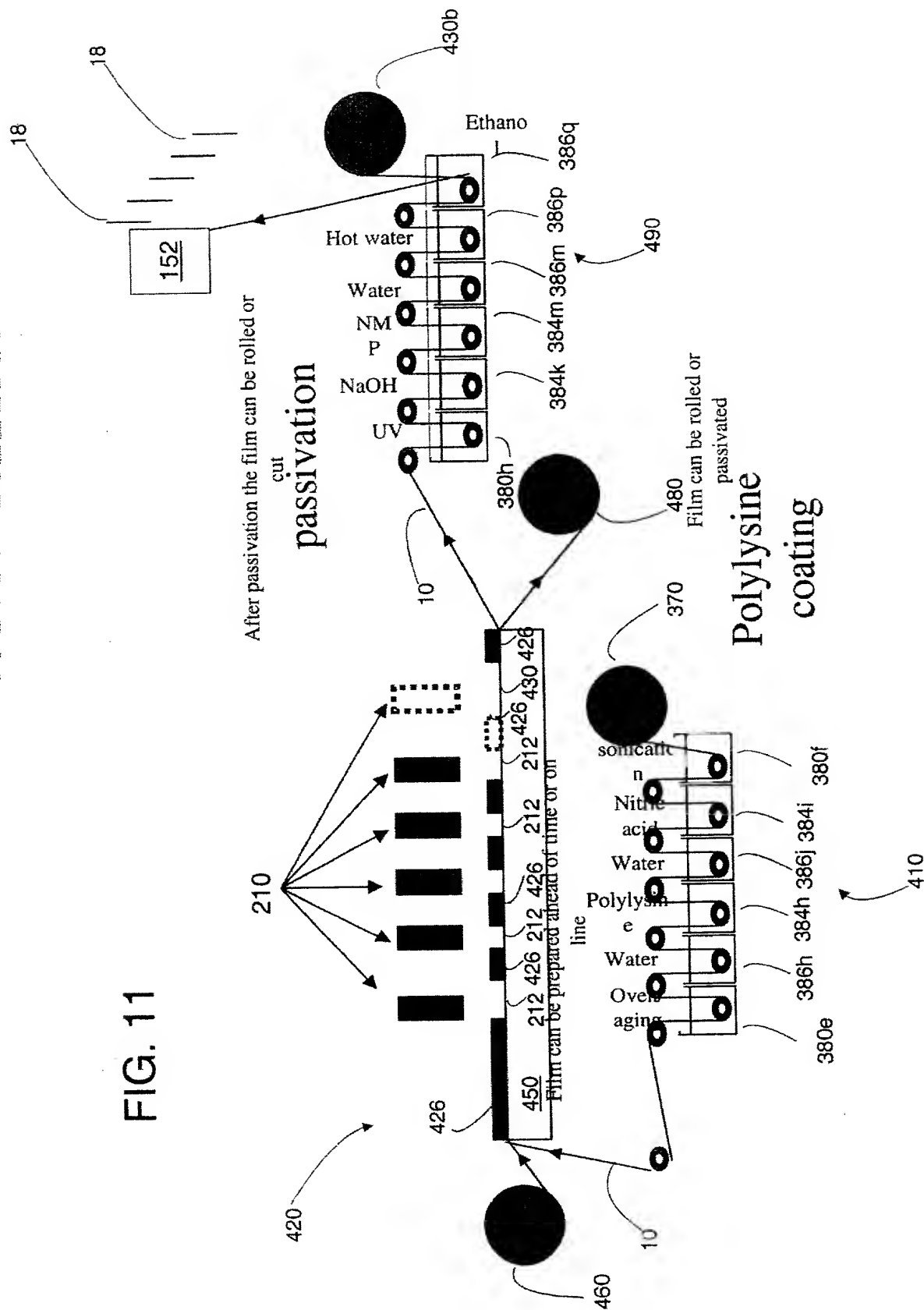


FIG. 11



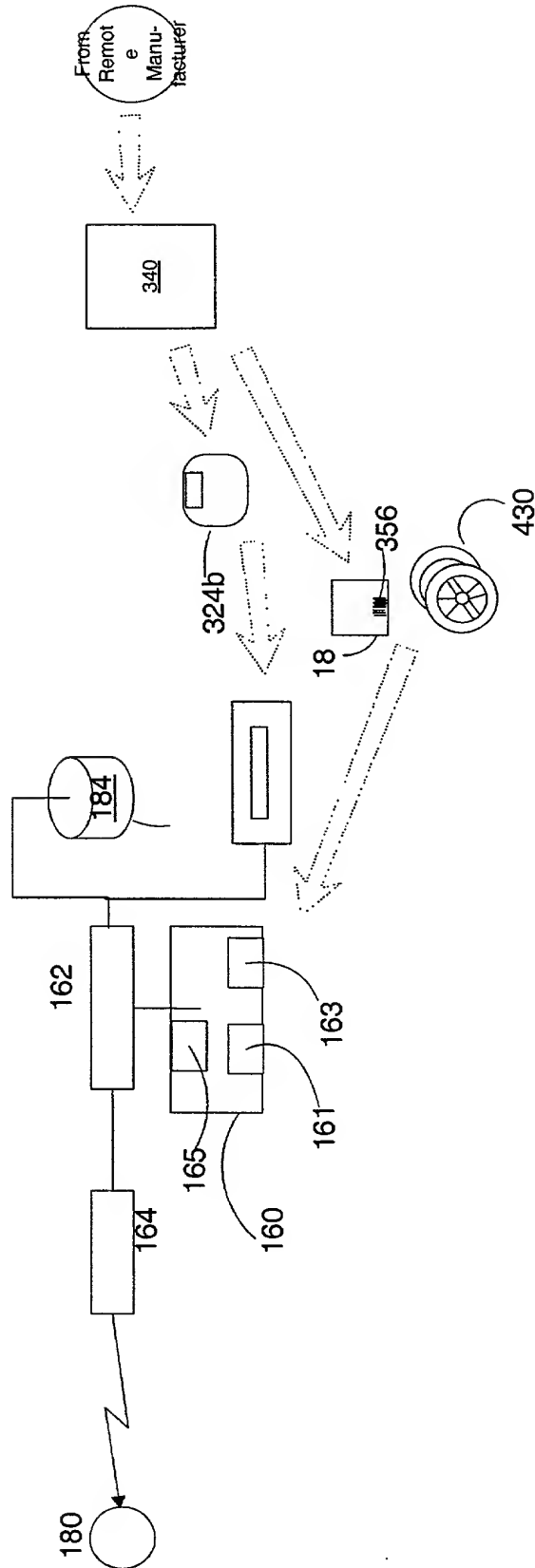


FIG. 12

FIG. 13

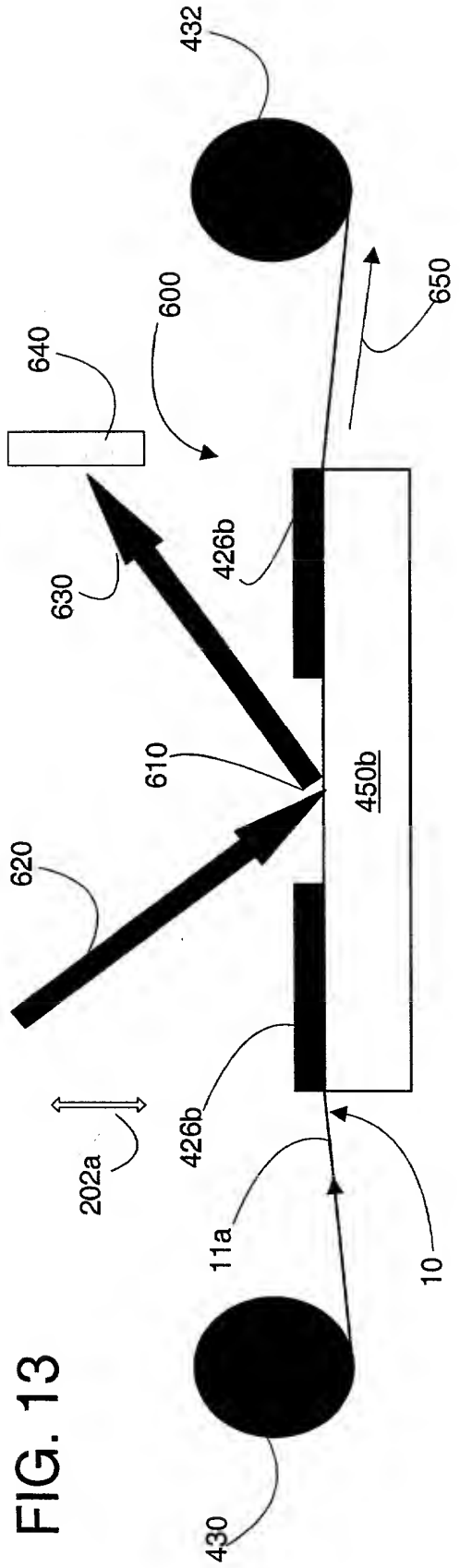
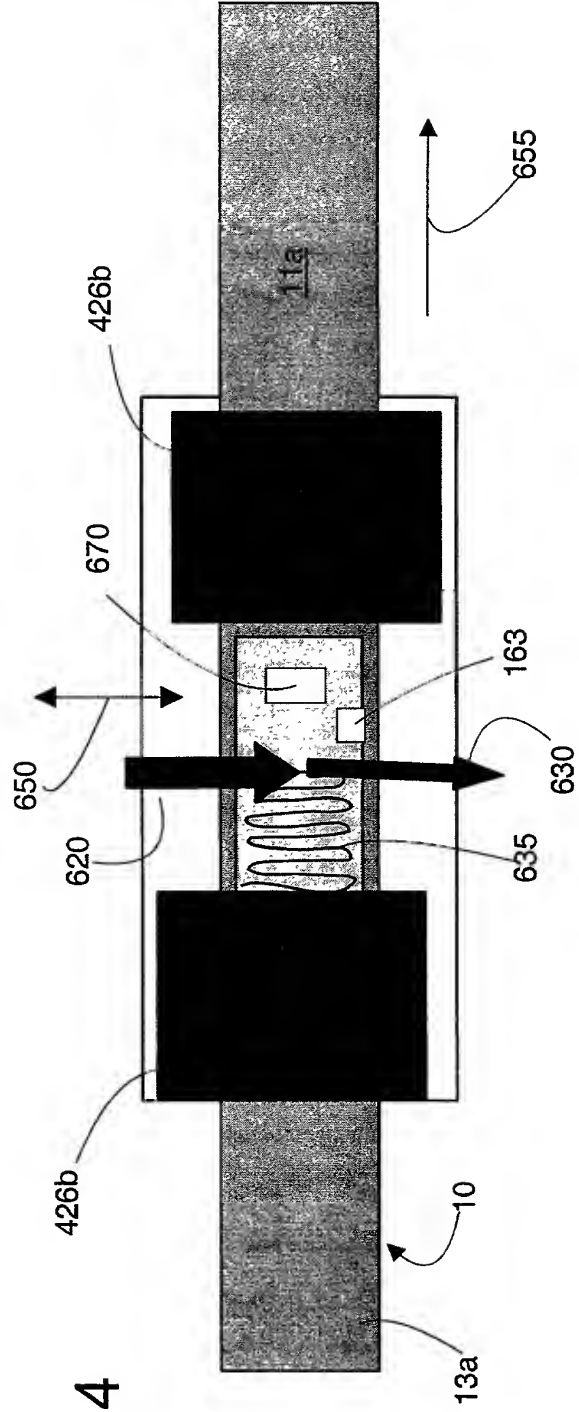


FIG. 14



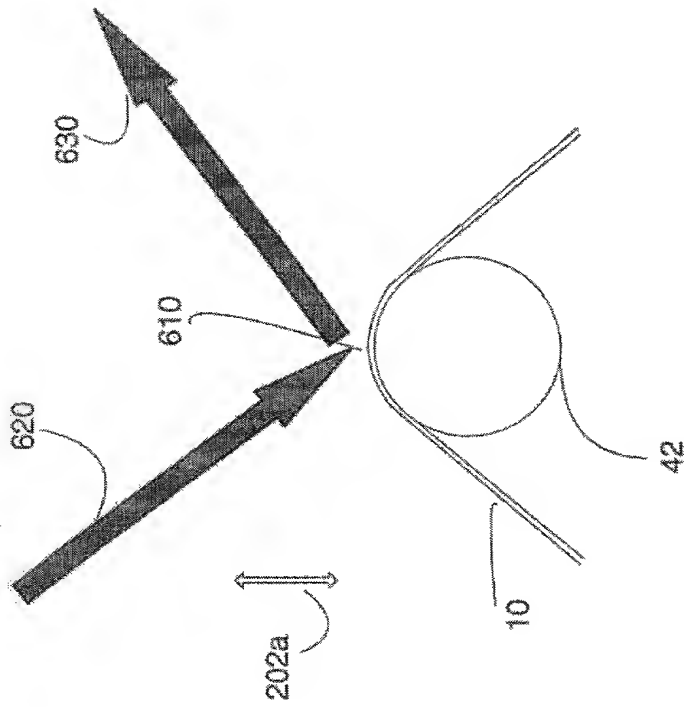


FIG. 15

FIG. 15

